

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---|------------------|---------|---------------------|
| L6    | 11   | n-type current confinement                               | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | ADJ              | ON      | 2007/10/11<br>11:00 |
| L5    | 403  | n-type current confinement                               | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | WITH             | ON      | 2007/10/11<br>11:00 |
| L4    | 1074 | n-type current confinement                               | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | SAME             | ON      | 2007/10/11<br>11:00 |
| S75   | 4    | ("5923690"   "5981977").<br>PN. OR ("6741623").<br>URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR              | SAME             | ON      | 2007/10/10<br>15:01 |
| S74   | 1    | "6741623".pn.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | SAME             | ON      | 2007/10/10<br>14:51 |

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| S73 | 66   | toshio hata.in.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>14:44 |
| S69 | 34   | S68 and ((current adj<br>(block\$3 or confinement<br>or confining)) and<br>(overhang or gap)).clm. | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:59 |
| S68 | 5974 | S65 or S41 or S63 or<br>S66 or S67   | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:58 |
| S67 | 2027 | 257/99.ccls.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:58 |
| S66 | 2578 | 257/98.ccls.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:58 |
| S65 | 141  | 257/e33.011.ccls.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:53 |
| S64 | 2    | 257/e33.01.ccls.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:53 |

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| S63 | 456 | 257/97.ccls.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:35 |
| S60 | 8   | ("2002/0001864").URPN.  | USPAT                            | SAME | ON | 2007/10/10<br>13:29 |
| S59 | 55  | hasegawa yoshiaki.in.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:20 |
| S58 | 10  | ("5249195"   "5283795"<br>"5388120"   "5493577"<br>"5838715"   "5903588"<br>"6185241"   "6268921"<br>"6411638").PN. OR<br>("6678300").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:16 |
| S57 | 22  | "233547"  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:10 |
| S56 | 19  | "286504"  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:07 |
| S44 | 1   | PCT/JP04/04974  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>13:03 |



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| S43 | 133  | S41 and current<br>confinement  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:58 |
| S42 | 430  | S41 and air   | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:58 |
| S41 | 1813 | 438/22.ccls.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:58 |
| S40 | 36   | ("5343487"   "5412680"<br>  "5457328"  <br>"5493577").PN. OR<br>("5594751").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:46 |
| S39 | 29   | "current aperture" air  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:41 |
| S38 | 9    | "current aperture" air<br>gap   | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:40 |
| S37 | 2558 | current aperture air<br>gap   | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:40 |

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| S36 | 41 | ("5245622"   "5258316"<br>"5293392"   "5343487"<br>"5493577"   "5513204"<br>"5594751"   "5661075"<br>"5812571").PN. OR<br>("5985686").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:37 |
| S35 | 4  | ("20020126725"  <br>"20030020926"  <br>"20030031221"  <br>"20030169786").PN. OR<br>("6890778").URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:35 |
| S34 | 70 | current confinement air<br>gap  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:33 |
| S33 | 22 | ("5985686"   "5991326"<br>"6341137"  <br>"6366597").PN. OR<br>("6542531").URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:32 |
| S32 | 12 | ("4888784"   "5432809"<br>"5594751"   "5717707"<br>"5818861"   "5883912"<br>"6064683"   "6091504"<br>"6287884").PN. OR<br>("6621843").URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:28 |

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| S31 | 26 | ("20020025589"  <br>"20020025590"  <br>"20020075922"  <br>"20020101894"  <br>"20020126725"  <br>"5058120"   "5256596"  <br>"5258316"   "5416044"  <br>"5557627"   "5559053"  <br>"5594751"   "5724376"  <br>"5831295"   "5837561"  <br>"5985686"   "6160830"  <br>"6169756"   "6306672"  <br>"6465811"   "6545335"  <br>"6546029"   "6577658"  <br>"6589805"   "6621843").<br>PN. OR ("6876687").<br>URPN. | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:28 |
| S30 | 22 | ("20020025589"  <br>"20020025590"  <br>"20020075922"  <br>"20020101894"  <br>"20020126725"  <br>"5058120"   "5256596"  <br>"5258316"   "5416044"  <br>"5557627"   "5559053"  <br>"5724376"   "5831295"  <br>"5837561"   "5985686"  <br>"6160830"   "6169756"  <br>"6306672"   "6465811").<br>PN. OR ("6589805").<br>URPN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2007/10/10<br>12:28 |



10/11/2007 11:54:04 AM

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537868 GaN compound current block layer with overhangs.wsp